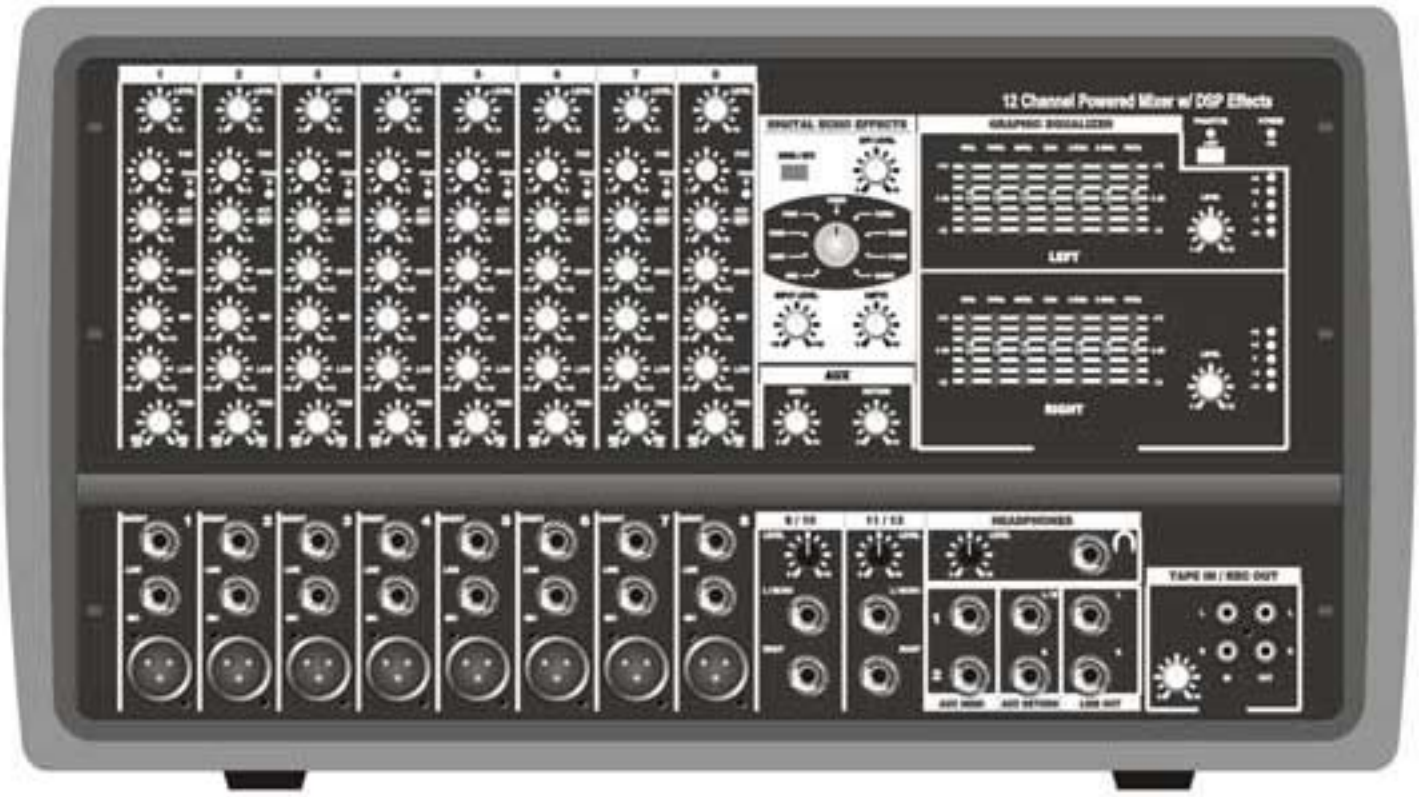
12 Channel 600 Watt Powered Mixer

OWNERS MANUAL

PYLE® PRO

PMX1204



Ultra-low noise 8,10,12-Channel Mic /Line Mixer

- ✦ 8 Mono Input Channels with gold plated XLRs and balanced Line inputs
- ✦ Ultra-low noise discrete Mic Preamps weth+48V phantom Power
- ✦ 1/2.Stereo input Channels with balanced TRS jacks
- ✦ Extremely high headroom-offering more dynamic range
- ✦ Balanced inputs for highest signal integrity
- ✦ Ultra-musical 2-band EQ on all channels
- ✦ Peak LED's all Mono and Stereo Channels
- ✦ 1/2Aux Sends per channel for external effects and monitoring
- ✦ Delay of the effect system inside
- ✦ 2-Track inputs assignable to Master Mix
- ✦ Highly accurate 5 segment Bargraph Meters
- ✦ Separate master mix output

SAFETY INSTRUCTIONS

CAUTION:TO reduce the risk of electrical shock, do not remove
The cover(or back).No user serviceable parts inside;
Refer servicing to qualified personnel.
WARNING:TO reduce the risk of fire or electrical shock, do not
Expose this appliance to rain or moisture.

This symbol, wherever it appears, alerts You to the presence of uninsulated Dangerous voltage inside the enclosure -voltage that may be sufficient to con-stitute a risk of shock.

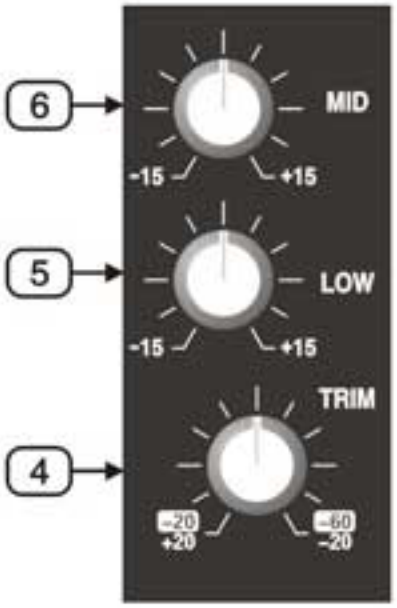
This symbol, wherever it appears, alerts You to important operating and mainte-Nance instructions in the accompanying Literature .Read the manual.

1.BALANCE INPUT(MIC)

Electronially Balanced inputs acceptable a standard XLR male Connector.

+48V Phantom Po wer available on each input Mic socke†

And this switch is on Rear Phantom Power



2.LINE INPUT

The unbalanced Mic input is provided for the use of an unbalance Mic and is designed to accept an unbalanced high impedance Input signal.

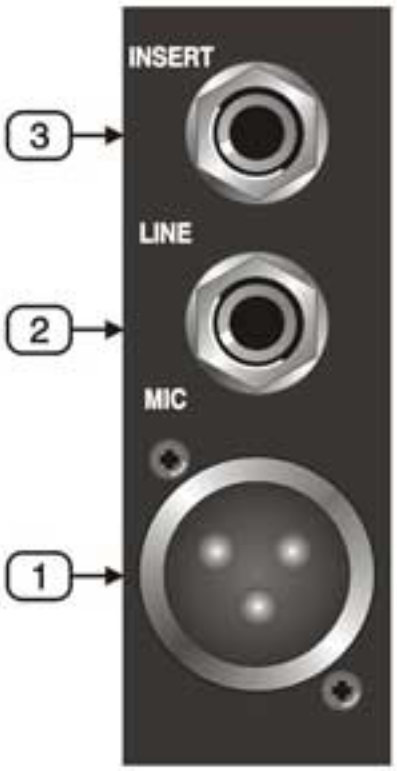
(This use for connection Deck, Turntable, Keyboard etc..)

3.INSERT

The INSERT is a break point the input channel signal path. It Allows the signal to be taken out from the mixer, through an External equipmet such as a compressor, and then back to the Mixer to continue the final mix output.

4.TRIM

This has a function which adjusts the input sensitivity of each channel in Order to input the constant level of the signal.



5.LOWEQ

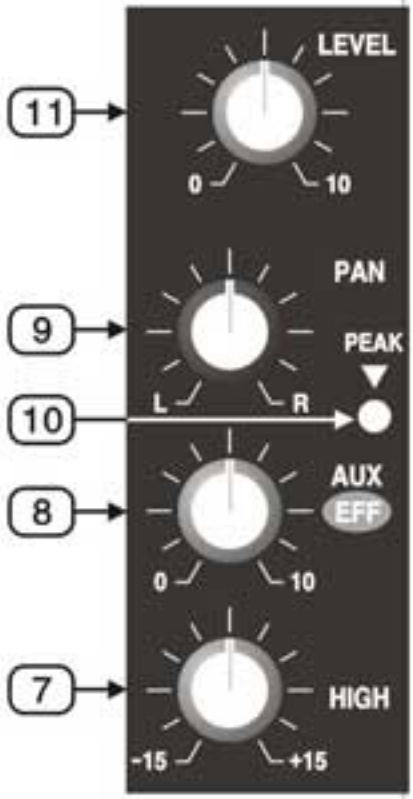
This control gives you up to 15 dB boost or cut at 80 Hz and, below This circuit is flat(no boost or cut)at the center detent position. This frequency reptesents the punch in bass drums, bass guitar, Fat synth patches, and some really serious male singers.

6.MID EQ

Short for "Midrange"this knob provides 12dB of boost or cut, Centered at 2.5KHZ,also flat at the center detent. Midrange EQ is Often thought of as the most dynamic, because the frequencies That define any particular sound are almost always found in this Range, You can create many interesting and useful EQ changes By turning this knob down as well as up.

7.HI EQ

This control gives you up to 15 dB of boost or cut at 12KHz and Above, and it is also flat at the detent. Use it to add sizzle to Cymbals, and an overall sense of transparency or edge to key-Boards, vocals guitar, and bacon frying. Turn it down a little to Reduce sibilance, or to hide tape hiss.



8.AUX/EFF

This is normally derived after the EQ and channel fader (POST FADER,POST EQ),and is therefore follow any changers in fader level. They are Normally used to drive effects processing units which are fed back into the Mixer and which must fade out with the input channel.

9.PAN

The pan control sends continuously variable amounts of the post fader Signal to either the left or right main busses. In the center position equal Amouts of signal are sent to the left and right busses.

10.PEAK

A red LED indicates a signal level at the insert return point, premaster Fader, It illuminates at approximately 5dB below clipping.

11.This is function to adjust the volume of signal connection into each channel and adjust the volume of output, together with master fader. Normal operating position is at the"O"mark, providing 4dB of gain adove that point ,if required.

12.LEFT(MONO)/RIGHT
Line with connection jack as line input of L, R stereo and input the Signal of balance line level, If the signal input into the input terminal of left Side, output the mono output to Left & right side. If the signal input the Input terminal of right side, output into the right side only.
If each signal input the input terminal of left & right, output a stereo of left

13.TRIM
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14.LOW EQ
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18.PAN
The pan control sends continuously variable amounts of the post fader Signal to either the left or tight and G 1 or G2 main busses. In the center position equal Amounts of signal are sent to the left and right or G1 & G2 busses

19.PEAK
A red LED indicates a signal level at the insert return point, premaster Fader. It illuminates at approximately 5dB below clipping

20.STEREP CHANNEL FADER
This is a function to adjust the volume of signal connection into each Channel and adjust the volume of output, together with master fader. Normal operating position is at the"O"mark,
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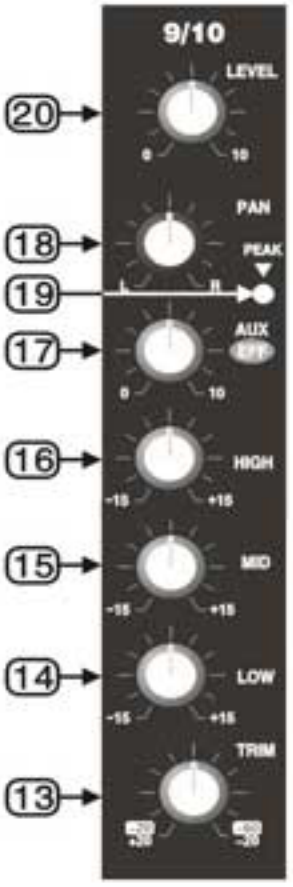

12 CHANNEL MIC/LINE MIXER

21.LEVEL
This is a single volume control send the level to the main monitors.

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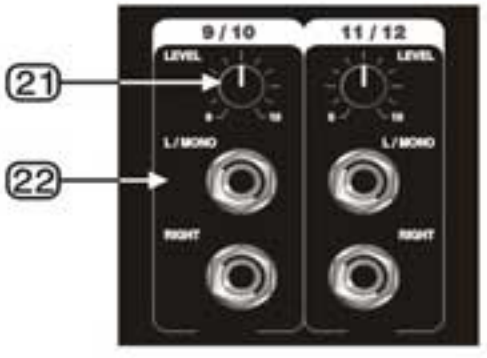


23.PHANTOM POWER SWITCH

Depressing this switch applies 48v DC across All microphone input channels connectors for Remote powering of condenser microphones.

24.SEND/EFX

When this button is up, post signal work as Send, when this button is down, post signal Work as effect signal

25.EFFECT SEND

This is used for adjusting Volume of echo sound, To send jack in effect panel

26.EFFECT RETURN

This is used for adjusting Frequency of echo repeat Since too echo repeat may Cause a nowl, please adjust Frequency properly.

27.DELAY

This is used for adjusting The time interval of echo Repeat. the middle position (100ms)may be most effective.

28.EFFECT LEVEL

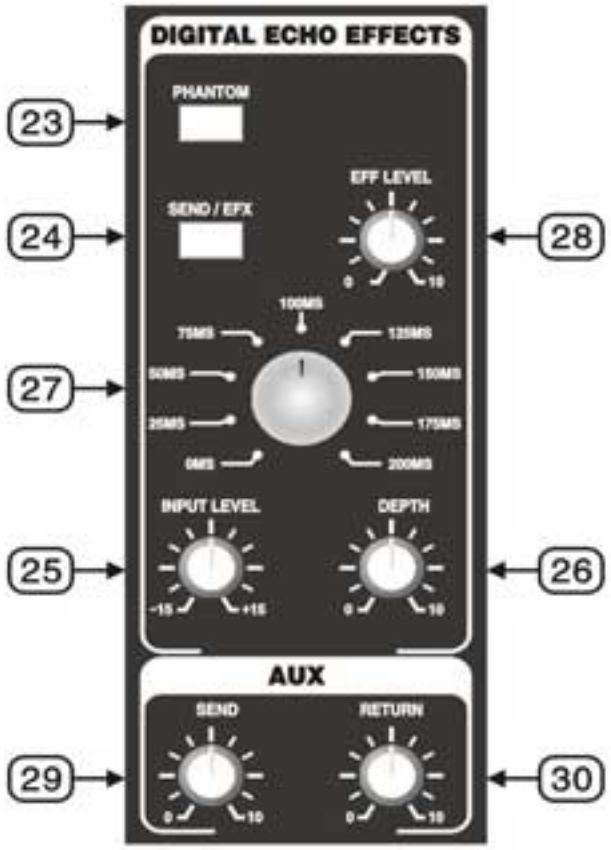
Using by this control, you can adjust signal Level of echo repeat & exteral effect.

29.AUX SENDS

This is used for adjusting volume of AUX Sound, when sending AUX signal to send Jack

30.AUX RETURN

Controls the level of return input signal.



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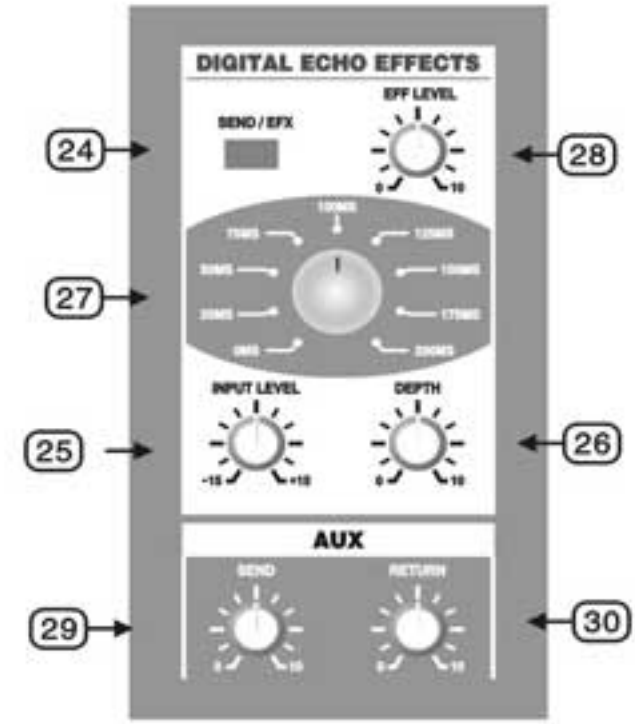
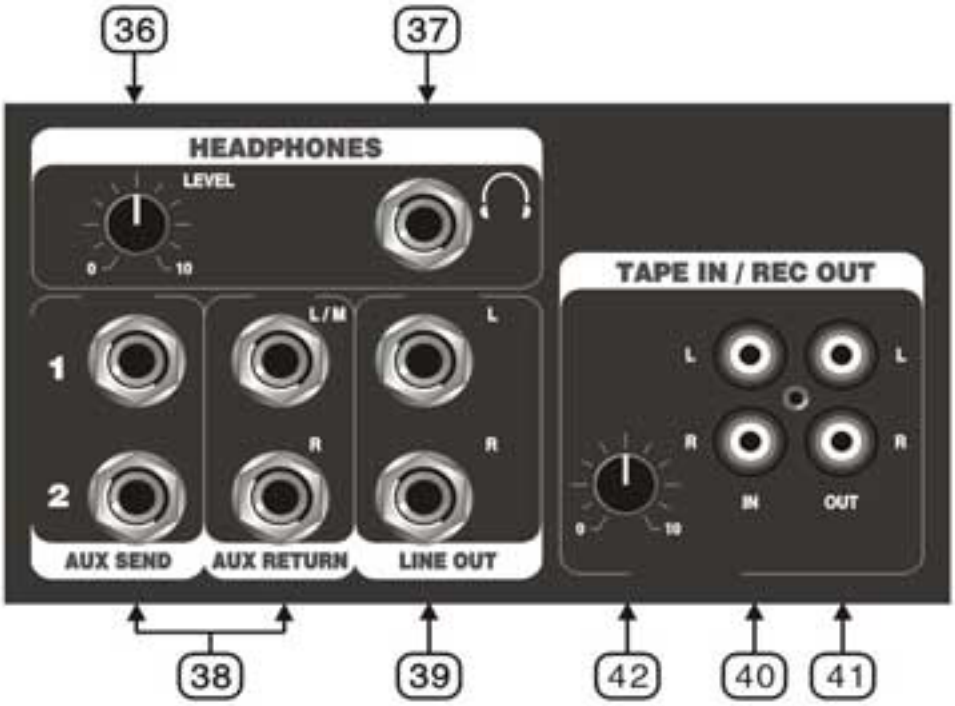




36.HEADPHONE LEVEL

This is a single volume control send the level to the headphone and main monitors.

37.PHONE JACK

This is used for monitoring the master signal and individually monitoring each channel with L/R.

38.STEREO AUX RETURNS & SENDS

This can be used to connect all kinds of effects from outside.

39.STEREO OUTPUT JACK

In this product, the final confirmed sound can be send to main amplifier through jack.

40.TAPE INPUT JACK

This jack is to be connected with cassette deck when playing back.

41.RECORD PIN JACK

This jack is to be connected with cassette deck when recording the mixed output.

42.TAPE IN

This adjusts the amount of signal that is sent from the TAPE IN jack to the MAIN bus.

31.POWER LED

The POWER LED will be Turned on when strt working

32.PHANTOM LED

The LED 48V will be turned On when strt working.

33.OUTPUTS LEVELINDICATOR

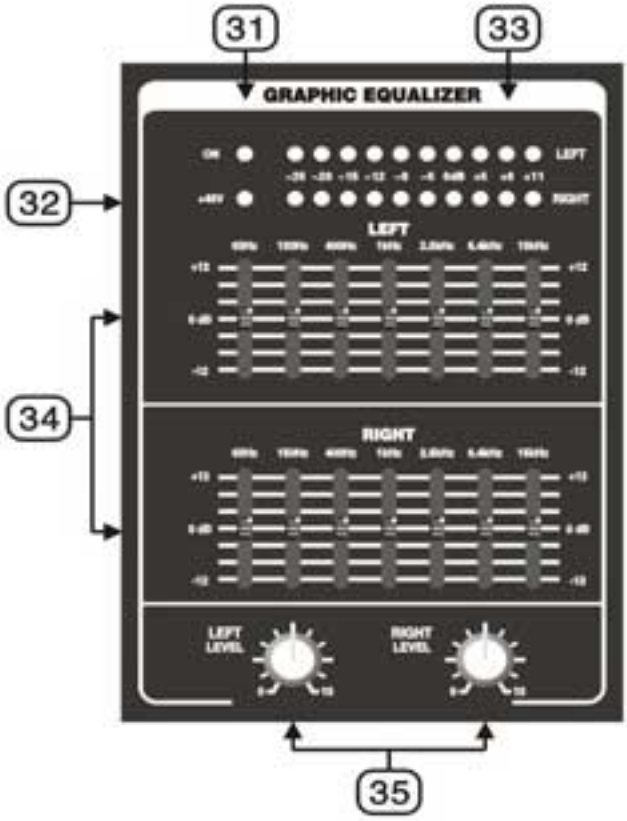
This is level meter which Shows output levels of left & Right channel condition on the Way of operation, therefore, You can see output condition Thru this master level indication.

34.STEREO GRAPHIC EQUALIZER

2 × 7–band equalizer is provided for tone control over each frequency, and for precise high quality sound by final tone control

35.OUTPUT MASTER FADER (LEFT/RIGHT)

This is a master fader for Adjustment for volume of Left/right output. Unity gain is The top their travel.



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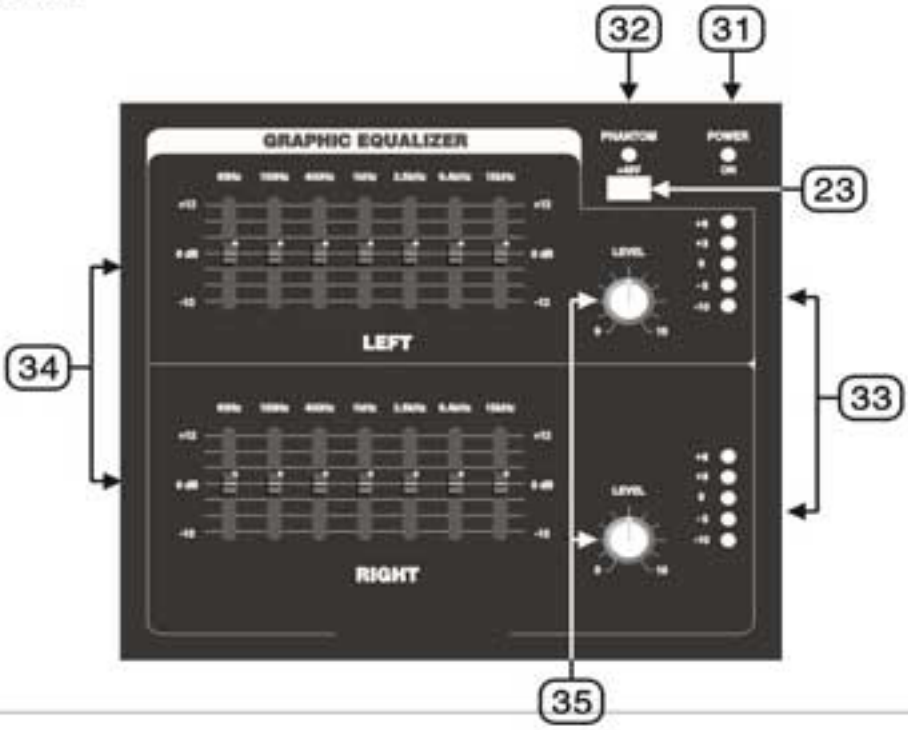

43.SPEAKER JACK(LEFT/RIGHT)

This is a amplifier output jack.

8 CHANNEL MIXER:300W+300W 4Ω

10 CHANNEL MIXER:300W+300W 4Ω

12 CHANNEL MIXER:300W+300W 4Ω

MONO 12 CHANNEL MIXER:350W 4Ω

44.POWER SWITCH

Push marked (1),when you want to operate. The LED (31) Well be turned on when working.

45.AC POWER CORD/FUSE HOLDERS

AC 220~240V 50~60Hz or 120V 60Hz

Check the power Source of ac 220V before connec5ions. When occur a Provlem on this appliance, the fuse well be cut off power to Prevent form aproblem.

46.POWER INPUT SELECT

This is power input 115V or 230V AC.

47.FAN

In order tp prevent rising the inside temperature, the inside Heat is emitted outside.

Specifications

Mono Inputs	
Mic Input	Electronically balanced, discrete input configuration
Bandwidth	10Hz to 60 kHz ±3dB
Distortion(THD & N)	0.01%at+ 4 dBu, 1 kHz, Bandwidth 80 kHz
Mic E.I.N (22Hz–22kHz)	–129.5 dBu, 150 Ohm source
	117.3 dBqp, input shorted
	–132.0 dBu, input shorted
	–122.0 dBqp, input shorted
	–10dB to +60db
TRIM range	
Line Input	electronically balanced
Bandwidth	10Hz to 60 kHz 3 Db
Distortion(THD&N)	0.01%at+4dBu,1kHz,Bandwidth 80 kHz
Line level range	+10 dBu to–40dBu
Equalization	12kHz–/–15 dB
Hi Shelving	2.5kHz+/–15dB
Lo Shelving	80Hz–/–15dB
Steroe inputs	
Line Input	unbalanced
Bandwidth	10Hz to 55 kHz +3dB
Distortion(THD & N)	0.0.1%at+4dBu,1 kHz, bandwidth 80 kHz
Equalization	
Hi Shelving	12kHz+/–15dB
mid bell	100Hz–8KHz+/–15dB,Q fixed at 1 oct
lo Shelving	80Hz+/–15dB, Q fixed 2 oct
lo Cut (High Pass)filter	–3dB at 75Hz, 18Db /oct
Master Mix section	
Max Output	+22 dBu balanced
Aux Send Max Out	+22 dBu unbalanced
Control Room Out	+22 dBu unbalanced
Signal–To–Noise Ratio	112 dB, all channels at Unity Gain
Power supply	
Mains Voltages	USA/Canada 120V60Hz
	U.K./Australia 240V50Hz
	China 220V50Hz